

CLAIMS

WHAT IS CLAIMED IS:

1. A system for providing extended functionality for a HAVi compatible device, the HAVi compatible device being connectable to a HAVi network, the extended functionality defined by control data stored on a remote server external to the HAVi network, the remote server being connected to an external network, the external network comprising a network external to the HAVi network, comprising:

an external network connection device for providing data communications between the HAVi network and the remote server;

the external network connection device connectable to the external network;

the external network connection device for receiving the control data; and

a control module for providing the extended functionality for the HAVi compatible device based on the control data.

2. The system of claim 1 wherein the control module comprises a functional control module.

3. The system of claim 2 wherein the control module further comprises a device control module.

4. The system of claim 3 wherein the device control module comprises a processor connected to the HAVi network, the processor having a memory module for storing the device control module; the processor further comprising the external network connection device.

- 1 5. The system of claim 4 wherein the processor is for presenting the device control
2 module to a user of the HAVi network for providing the user with the capability of
3 controlling the HAVi compatible device with the extended functionality.
- 1 6. The system of claim 1 wherein the HAVi compatible device comprises a legacy
2 device wherein the extended functionality is for causing the HAVi compatible
3 device to function as a contemporary device with respect to a user of the HAVi
4 network.
- 1 7. The system of claim 6 wherein the HAVi compatible device comprises a compact
2 disk player not having built in ability for presenting artist and song information for
3 a compact disk inserted into the compact disk player, and wherein the control data
4 is for presenting artist and song information for the compact disk to the user.
- 1 8. The system of claim 7 wherein the control data comprises artist and song
2 information matched to one or more identification codes read from the compact
3 disk such that the artist and song information may be presented to the user for
4 selection.
- 1 9. A system comprising a first usable device comprising one of a plurality usable
2 devices capable of being connected to a local network, each usable device being
3 capable of receiving commands from a user of the local network:
4 an external network connection device for providing data communications
5 between the local network and a remote server connected to an external network,
6 the external network connection device connectable to the external network, the
7 external network connection device for receiving control data from the remote
8 server, the control data defining extended functionality for a first of the one or
9 more of the plurality of usable devices; and
10 a control module for providing the extended functionality for the first
11 usable device based on the control data.

- 1 10. The system of claim 9 wherein a second of the plurality of usable devices
2 comprises a processor having a device control module.
- 1 11. The system of claim 10 wherein the device control module comprises a first
2 functional control module, the device control module for presenting the extended
3 functionality to a user of the processor for controlling the first usable device,
4 thereby allowing the user to use the extended functionality.
- 1 12. The system of claim 10 wherein the extended functionality comprises a plurality
2 of extended functions for controlling the first usable device; two or more device
3 control modules each comprising a plurality of functional control modules, each
4 functional control module comprising a subset of the plurality of extended
5 functions, the plurality of usable devices comprising two or more processors, each
6 of the device control modules for presenting selectively to one of the two or more
7 processors, thereby allowing a user of each of the two or more processors to
8 control the first device based on the respective subset of extended functions of the
9 respective functional control modules of the device control module presented to
10 the respective processor.
- 1 13. A method for providing extended functionality for a HAVi compatible device, the
2 HAVi compatible device being connectable to a HAVi network, the extended
3 functionality defined by control data stored on a remote server external to the
4 HAVi network, the remote server being connected to an external network, the
5 external network comprising a network external to the HAVi network, the method
6 comprising the steps of:
7 providing data communications between the HAVi network and the remote
8 server;
9 receiving the control data from the remote server; and
10 providing the extended functionality for the HAVi compatible device
11 based on the control data.

- 1 14. The method of claim 13 comprising providing the user with the capability of
2 controlling the HAVi compatible device with the extended functionality.
- 1 15. The method of claim 13 wherein the HAVi compatible device comprises a legacy
2 device wherein the extended functionality is for causing the HAVi compatible
3 device to function as a contemporary device with respect to a user of the HAVi
4 network.
- 1 16. The method of claim 15 wherein the HAVi compatible device comprises a
2 compact disk player not having built in ability for presenting artist and song
3 information for a compact disk inserted into the compact disk player, and wherein
4 the control data is for presenting artist and song information for the compact disk
5 to the user.
- 1 17. The method of claim 16 comprising reading one or more identification codes from
2 the compact disk and matching the one or more identification codes with the
3 control data to present the artist and song information such that the artist and song
4 information may be presented to the user for selection based on the identification
5 code.